

SUMMARY

Scanning device (1) for register marks (21, 22, 31, 32) printed onto a substrate (2) travelling into a polychrome printing machine. This device comprises at least one light source (3, 4) enlightening, onto the substrate (2), a lighting area (5) crossed by the register marks (21, 22, 31, 32), an optic (6) which allows obtaining onto a photosensitive element (7) the images of said register marks named as a plurality of portions (8) successively scanned with a certain scanning rate, as well as a microprocessor (9) driving the light of the light source (3, 4) and controlling electric pulses issued by pixels (17) of the photosensitive element (7). The source (3, 4) enlightens the lighting area (5) of the substrate (2) with at least one modulation of its color and/or of its intensity during the simultaneous or sequential scanning of at least two register marks. (21, 22, 31, 32).

(Fig. 1)